

(19) World Intellectual Property
Organization
International Bureau



EV742516647US



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/074683 A1

(51) International Patent Classification⁷: A01N 25/22,
33/18 // (A01N 33/18, 25:22)

(21) International Application Number:
PCT/EP2005/000861

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/540,298 30 January 2004 (30.01.2004) US

(71) Applicant (*for all designated States except US*): RHODIA
CHIMIE [FR/FR]; 26 Quai Alphonse le Gallo, F-92512
Boulogne-Billancourt Cedex (FR).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): GIOIA, Paul
[AU/AU]; 1 Kialoa Court, Taylors Lakes, Victoria 3038
(AU).

(74) Agents: BOITTIAUX, Vincent et al.; Rhodia Services,
Direction de la Propriété Industrielle, 40 rue de la Haie Coq,
F-93306 Aubervilliers Cedex (FR).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: EMULSIFIABLE CONCENTRATE COMPRISING A DINITROANILINE COMPOUND

(57) Abstract: The invention relates to an emulsifiable concentrate comprising an active ingredient being a dinitroaniline compound, preferably selected from the group consisting of pendimethalin, trifluralin and mixtures thereof. The emulsifiable concentrate of the invention avoids crystallization at low temperature when the concentration of the active ingredient is high. Accordingly, the emulsifiable concentrate comprises a diester co-solvent having the following formula $R^1OOC-(CH_2)_n-COOR^2$, wherein R^1 and R^2 , identical or different, are C^1-C_{10} , preferably C_1-C_6 , linear or branched, alkyl, aryl, alkaryl or arylalkyl groups, and n is an average number of from 2 to 4.

WO 2005/074683 A1